

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

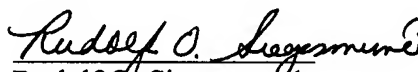
INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313

Sir:

Applicant respectfully requests that the documents which are listed in the attached PTO-1449 form, copies of which are attached, be made of record in the patent application entitled ROD AND TUBING JOINT OF MULTIPLE ORIENTATIONS CONTAINING ELECTRICAL WIRING submitted simultaneously with this statement.

Respectfully submitted,



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I hereby certify that this paper and fee are being deposited with the United States Postal Service Express Mail Post Office to Addressee service under 37 CFR 1.10 on the date indicated above and is addressed to the Mail Stop Patent Applications, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313.


Rudolf O. Siegesmund

Form PTO-1449 (Modified) List of Patents and Publications Cited by Applicant	Docket No: AHUG.015	Serial No.:
	Applicant: Hughes	
	Filing Date:	Group:

U.S. Patent Documents						
Examiner Initial		Document No.	Date	Name	Class	Sub-Class
	AA	US 2002/0112852	08/2002	Floerke et al.	166	65.1
	AB	US 2002/0112861	08/2002	Restarick et al.	166	384
	AC	US 2002/0014334	02/2002	Chau et al.	166	65.1
	AD	US 2002/0014336	02/2002	Jones	166	341
	AE	US 2002/00114340	02/2002	Johnson	166	380
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	AG	US 2002/0000317	01/2002	Rayssiguier et al.	166	285
	AH	6,332,499	12/2001	Kobyliniski et al.	166	65.1
	AI	US 2001/0042617	11/2001	Beck et al.	166	65.1
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	AK	US 2001/0030047	10/2001	Chau et al.	166	378
	AL	6,302,797	10/2001	Driver	464	19
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	AAA	4,976,655	12/1990	Herbert, Sr.	464	16
	AAB	4,915,423	04/1990	Wallace	285	91
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	AAD	4,483,393	11/1984	More et al.	166	65
	AAE	4,099,745	07/1978	Cobbs	285	24
	AAF	4,051,696	10/1977	Mason et al.	64	23
	AAG	2,273,017	02/1942	Boynton	285	146
	AAH	1,781,091	11/1930	Wilson		
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	AAJ	1,054,812	03/1913	Zierath		
	AAK	Enviromental Applications of Horizontal Wells	11/1992	George J. Hall		
	AAL	Horizontal Systems: Technology for Shallow-Site Remediation	02/1993	Journal of Petroleum Technology		
	AAM	Smart Drilling with Electrical Drillstring	02/2003	Paul Lurie, Philip Head, Jackie E. Smith		
	AAN	Composite-lined Tubulars Can Lower Operating Expenses	07/2000	Kenneth Ross		

Foreign Patent Documents					
Examiner Initial		Document No.	Date	Country	Translation
					Yes No
	BA				
	BB				

Examiner:	Date Considered:
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